

WHAT IS CLAIMED IS:

1. A sheet guiding system that guides sheets to be fed in a first direction, comprising:
 - a sheet tray on which sheets are stacked;
 - a fixed guide member that is provided on the sheet tray and that is immovable in a second direction perpendicular to the first direction; and
 - a first movable guide member and a second movable guide member that are provided on the sheet tray and that are movable in the second direction perpendicular to the first direction, wherein the fixed guide member and the first movable guide member are used to sandwich and guide the sheets that have a first dimension in the second direction equal to or larger than a predetermined dimension, and the first movable guide member and the second movable guide member are used to sandwich and guide the sheets that have a second dimension in the second direction smaller than the predetermined dimension.
2. The sheet guiding system according to claim 1, wherein the predetermined dimension is a width of an A4 size sheet.
3. The sheet guiding system according to claim 2, wherein a maximum dimension of the sheets guidable in the second direction by the guiding system is larger than the width of the A4 size sheet.
4. The sheet guiding system according to claim 1, wherein when the sheets having the first dimension in the second direction are guided, the second movable guide member is away from the sheets.
5. The sheet guiding system according to claim 1, wherein the fixed guide member has a different length in the first direction than the first movable guide member.
6. The sheet guiding system according to claim 1, wherein the first movable guide member has a different length in the first direction than the second movable guide member.
7. The sheet guiding system according to claim 6, wherein the first movable guide member is longer in the first direction than the second movable guide member.
8. The sheet guiding system according to claim 1, wherein the fixed guide member includes a first fixed guide member and a second fixed guide member and the second movable guide member is movable into a gap between the first fixed guide member and the second fixed guide member.

9. The sheet guiding system according to claim 8, wherein the first movable guide member extends in the first direction and faces both the first fixed guide member and the second fixed guide member in the second direction.

10. The sheet guiding system according to claim 1, wherein the first movable guide member and the second movable guide member are movable equidistantly in opposite directions along the second direction.

11. The sheet guiding system according to claim 10, wherein the first movable guide member and the second movable guide member are movable in association with each other in opposite directions with respect to a center line, extending in the first direction, of the sheet tray.

12. The sheet guiding system according to claim 1, wherein when the fixed guide member and the first movable guide member are used, the fixed guide member is closer than the second movable guide member to the first movable guide member, and a center position of the sheets in the second direction between the fixed guide member and the first movable guide member gets closer to the fixed guide member as a distance in the second direction between the fixed guide member and the first movable guide member decreases.

13. The sheet guiding system according to claim 1, wherein when the first movable guide member and the second movable guide member are used, the second movable guide member is closer than the fixed guide member to the first movable guide member, and a center position of the sheets in the second direction between the first movable guide member and the second movable guide member remains the same as a distance in the second direction between the first movable guide member and the second movable guide member varies.

14. The sheet guiding system according to claim 10, wherein the first movable guide member and the second movable guide member are movable until a distance in the second direction between the first movable guide member and the second movable guide member becomes equal to a minimum dimension of the sheets guidable by the sheet guiding system.

15. The sheet guiding system according to claim 1, wherein at least a part of the fixed guide member is provided downstream of the first movable guide member with respect to the first direction.

16. The sheet guiding system according to claim 1, wherein the sheets are stacked on the sheet tray with their front edges substantially aligned, regardless of a dimension in the

first direction of the sheets, and the fixed guide member extends substantially to the front edges of the sheets.

17. The sheet guiding system according to claim 1, further comprising:
a rear guide member that is provided on the sheet tray and that is movable in the first direction to align rear edges of the sheets.

18. The sheet guiding system according to claim 1, wherein the first movable guide member is provided on one side in the second direction of the sheet tray, and the second movable guide member and the fixed guide member are provided on the other side in the second direction of the sheet tray.

19. The sheet guiding system according to claim 1, wherein the fixed guide member includes a first fixed guide member and a second fixed guide member and the sheets are guided at three positions defined by the first fixed guide member, the second fixed guide member and the first movable guide member.

20. The sheet guiding system according to claim 1, wherein the fixed guide member includes a first fixed guide member and a second fixed guide member located downstream from the first fixed guide member in the first direction with the second fixed guide member having a shorter length in the first direction than the first fixed guide member.

21. The sheet guiding system according to claim 1, wherein the fixed guide member includes a first fixed guide member and a second fixed guide member located downstream from the first fixed guide member in the first direction such that the sheets remain in contact with the second fixed guide member for a predetermined distance after the sheets are initially fed in the first direction.

22. An image forming device, comprising:
a printhead that prints an image on sheets; and
a sheet guiding system that guides the sheets to be fed in a first direction for printing by the printhead, the sheet guiding system including:
a sheet tray on which the sheets are stacked;
a fixed guide member that is provided on the sheet tray and that is immovable in a second direction perpendicular to the first direction; and
a first movable guide member and a second movable guide member that are provided on the sheet tray and that are movable in the second direction perpendicular to the first direction, wherein the fixed guide member and the first movable guide member are used to sandwich and guide the sheets that have a first dimension in the second direction equal to or larger than a predetermined dimension, and the first movable guide member and

the second movable guide member are used to sandwich and guide the sheets that have a second dimension in the second direction smaller than the predetermined dimension.

23. The image forming device according to claim 22, wherein the predetermined dimension is a width of an A4 size sheet.

24. The image forming device according to claim 22, wherein the fixed guide member is provided on one side in the second direction of the sheet tray, and the printhead prints using the one side as a reference for printing.

25. The image forming device according to claim 22, wherein the printhead prints serially in the second direction, perpendicularly to the first direction in which the sheets are fed.

26. The image forming device according to claim 25, further comprising a carriage that carries and reciprocates the printhead in the second direction perpendicular to the first direction.

27. The image forming device according to claim 22, further comprising a sheet feed roller that is provided on a downstream side of the sheet tray with respect to the first direction to frictionally contact a center front of a topmost sheet of the sheets on the sheet tray.

28. The image forming device according to claim 22, wherein the printhead is disposed at one of upper and lower positions with respect to the sheet guiding system so as to face the sheets to be fed.

29. A sheet guiding system that guides sheets to be fed in a first direction, comprising:

a sheet tray on which sheets are stacked;

a fixed guide member that is provided on the sheet tray and that is immovable in a second direction perpendicular to the first direction; and

a first movable guide member and a second movable guide member that are provided on the sheet tray and that are movable in the second direction perpendicular to the first direction, wherein:

the first movable guide member is provided on one side in the second direction of the sheet tray, and the second movable guide member and the fixed guide member are provided on the other side in the second direction of the sheet tray,

when the first movable guide member and the second movable guide member are away from each other in the second direction by a distance equal to or larger than

a predetermined distance, the fixed guide member is closer than the second movable guide member to the first movable guide member, and

when the first movable guide member and the second movable guide member are away from each other in the second direction by a distance smaller than the predetermined distance, the second movable guide member is closer than the fixed guide member to the first movable guide member.

30. The sheet guiding system according to claim 29, wherein the sheets having a first dimension in the second direction equal to or larger than the predetermined distance are sandwiched and guided by the fixed guide member and the first movable guide, and when the sheets having a second dimension in the second direction smaller than the predetermined distance are sandwiched and guided by the first movable guide member and the second movable guide member.

31. The sheet guiding system according to claim 30, where in the predetermined distance between the first movable guide member and the second movable guide member is a width of an A4 size sheet.

32. A sheet guiding system that guides sheets to be fed in a first direction, comprising:

a sheet tray on which sheets are stacked;

a fixed guide member that is provided on the sheet tray and that is immovable in a second direction perpendicular to a first direction; and

a first movable guide member and a second movable guide member that are provided on the sheet tray and that are movable in the second direction perpendicular to the first direction, wherein the fixed guide member has a different length in the first direction than the first movable guide member, and the first movable guide member has a different length in the first direction than the second movable guide member.

33. The sheet guiding system according to claim 32, wherein the fixed guide member is longer in the first direction than the first movable guide member and the first movable guide member is longer in the first direction than the second movable guide member.